

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|--|---|------------------|---------|------------------|
| S1 | 1548633 | semiconductor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/09 09:16 |
| S2 | 1872 | 257/768,763,770.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/10 13:14 |
| S3 | 2 | S2 and (silver protect\$5 diffus\$5) and ((protect\$5 or barrier)(Ti or titanium or TiN or nitride or W or tungsten)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2005/08/10 13:18 |
| S4 | 28 | S1 and (silver protect\$5 diffus\$5) and ((protect\$5 or barrier)(Ti or titanium or TiN or nitride or W or tungsten)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2005/08/10 14:23 |
| S5 | 3 | ("6709971").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/10 13:06 |
| S6 | 14048 | 257/750-753,762,763-765,768.ccls. 438/622,643,650,622,626-630,631, 637,642,644,645,652-654,672,675, 686.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/09 09:26 |
| S7 | 10 | S6 and (silver protect\$5 diffus\$5) and ((protect\$5 or barrier)(Ti or titanium or TiN or nitride or W or tungsten)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2005/08/10 13:18 |
| S8 | 28 | S1 and (silver protect\$5 diffus\$5) and ((protect\$5 or barrier or diffus\$4)(Ti or titanium or TiN or nitride or W or tungsten)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2005/08/10 14:31 |
| S9 | 10 | S6 and (silver protect\$5 diffus\$5) and ((protect\$5 or barrier or diffus\$4)(Ti or titanium or TiN or nitride or W or tungsten)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2005/11/09 09:26 |
| S10 | 1548633 | semiconductor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/10 14:31 |

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|-----|-------|--|---|------|-----|------------------|
| S11 | 28 | S10 and (silver protect\$5 diffus\$5) and ((protect\$5 or barrier or diffus\$4)(Ti or titanium or TiN or nitride or W or tungsten)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2005/08/10 14:32 |
| S12 | 16 | ((("6333260") or ("5391517") or ("6147403") or ("6787467") or ("5763953") or ("20020197850") or ("20050020080") or ("5475248")). PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/09 09:22 |
| S13 | 4 | S12 and ((protect\$4 diffus\$4) near4 silver) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/09 09:25 |
| S14 | 14413 | 257/750-753,762,763-765,768.ccls. 438/622,643,650,622,626-630,631, 637,642,644,645,652-654,672,675, 686.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/09 09:26 |
| S15 | 10 | S14 and (silver protect\$5 diffus\$5) and ((protect\$5 or barrier or diffus\$4)(Ti or titanium or TiN or nitride or W or tungsten)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2005/11/09 09:27 |